Protein

Translations of Life

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PRA1 family protein 3 [Rattus norvegicus]

NCBI Reference Sequence: NP_076462.1

FASTA Graphics

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LOCUS       NP_076462                188 aa            linear   ROD 30-APR-2010
DEFINITION  PRA1 family protein 3 [Rattus norvegicus].
ACCESSION   NP_076462
VERSION     NP_076462.1  GI:13027426
DBSOURCE    REFSEQ: accession NM_023972.3
KEYWORDS    .
SOURCE      Rattus norvegicus (Norway rat)
  ORGANISM  Rattus norvegicus
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Euarchontoglires; Glires; Rodentia;
            Sciurognathi; Muroidea; Muridae; Murinae; Rattus.
REFERENCE   1  (residues 1 to 188)
  AUTHORS   Maier,S., Reiterer,V., Ruggiero,A.M., Rothstein,J.D., Thomas,S.,
            Dahm,R., Sitte,H.H. and Farhan,H.
  TITLE     GTRAP3-18 serves as a negative regulator of Rab1 in protein
            transport and neuronal differentiation
  JOURNAL   J. Cell. Mol. Med. 13 (1), 114-124 (2009)
   PUBMED   18363836
  REMARK    GeneRIF: Results suggest a model where protein trafficking and
            neuronal differentiation are directly linked by the interaction of
            Rab1 and its regulator GTRAP3-18.
REFERENCE   2  (residues 1 to 188)
  AUTHORS   Tao,F., Liaw,W.J., Zhang,B., Yaster,M., Rothstein,J.D., Johns,R.A.
            and Tao,Y.X.
  TITLE     Evidence of neuronal excitatory amino acid carrier 1 expression in
            rat dorsal root ganglion neurons and their central terminals
  JOURNAL   Neuroscience 123 (4), 1045-1051 (2004)
   PUBMED   14751295
  REMARK    GeneRIF: The expression and distribution of the neuronal glutamate
            transporter, excitatory amino acid carrier-1 (EAAC1), are
            demonstrated in the dorsal root ganglion neurons and their central
            terminals.
REFERENCE   3  (residues 1 to 188)
  AUTHORS   Abdul-Ghani,M., Gougeon,P.Y., Prosser,D.C., Da-Silva,L.F. and
            Ngsee,J.K.
  TITLE     PRA isoforms are targeted to distinct membrane compartments
  JOURNAL   J. Biol. Chem. 276 (9), 6225-6233 (2001)
   PUBMED   11096102
REFERENCE   4  (residues 1 to 188)
  AUTHORS   Lin,C.I., Orlov,I., Ruggiero,A.M., Dykes-Hoberg,M., Lee,A.,
            Jackson,M. and Rothstein,J.D.
  TITLE     Modulation of the neuronal glutamate transporter EAAC1 by the
            interacting protein GTRAP3-18
  JOURNAL   Nature 410 (6824), 84-88 (2001)
   PUBMED   11242046
COMMENT     PROVISIONAL REFSEQ: This record has not yet been subject to final
            NCBI review. The reference sequence was derived from AF240182.1.

            Summary: modifies glutamate transporter EAAC1 function by lowering
            EAAC1 substrate affinity; regulates glutamate transport [RGD].
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